



Bioinformatics and Machine Learning Research Analyst

AMPEL BioSolutions has a Research Analyst position available supporting R&D in an exciting, collaborative precision medicine biotech company. AMPEL is a science-driven organization looking for novel ways to bring precision medicine into the day-to-day lives of patients with autoimmune, inflammatory and infectious diseases. Research projects have direct value to the mission of the company and often make a real difference in prioritizing drugs to be tested in [pre-clinical mouse models](#) or [clinical trials of patients](#). AMPEL has a hybrid environment of remote and in-office personnel.

Research Analysts will process gene expression data from patients and healthy individuals using established statistical methods but with an emphasis on generating original tools tailored for company applications. They will also design, evaluate, and implement [machine learning](#) and deep learning algorithms to carry out supervised prediction and patient classification tasks as well as unsupervised data exploration. Research Analysts will collaborate with systems immunologists to elucidate the “big picture” of pathogenic pathways operating in disease states in order to understand the immunological basis of disease. Research Analysts must be able to synthesize results and formulate conclusions based on their data as well as the scientific literature and subsequently design experimental models for further inquiry. High-caliber work suitable for presentation at scientific meetings and/or publication in the peer-reviewed literature is expected.

Individuals with a bachelor’s degree and two years of work experience and/or an advanced degree in biology, mathematics, statistics, biomedical engineering, computer science, or a related field are encouraged to apply. Candidates should have experience with analysis of transcriptomic data (microarray, RNA-Seq, single-cell RNA-Seq) and the ability to learn and apply machine learning concepts in R and/or Python. Successful applicants will possess excellent organizational skills, the ability to think critically, prowess in written and oral communication, and the initiative to work proactively with limited supervision. Outstanding candidates will be further distinguished by research experience.

Please send your resume cover letter, three letters of recommendation to:

Amrie C. Grammer, COO/ChiefScientificOfficer, amriegrammer@ampelbiosolutions.com

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Precise Personalized Medicine through Genomics:

Harnessing Big Data to Improve Healthcare

[AMPEL BioSolutions](#) is a precision medicine company with a proprietary genomic platform, bioinformatic tools and machine learning algorithms. Profitability from in-house clinical trial design/management fuels R&D for gene-based disease diagnostics in the immunology space including [Systemic Lupus Erythematosus](#) and [COVID19](#). Current customers are Pharma to accelerate trial success by enrolling patients into trials that express drug target/pathway. AMPEL’s first product, LuGENE®, is a first-in-class CLIA-certified gene-based LDT blood test that will assess disease status, predict flares and match patient with best drug options.

